

6	S6 and (((twin or second or double or "2nd") adj (heat\$1 sink or (heat adj sink)) ) with ( (US-PGPUB; USPAT	2/15/05
0	S5 and (((twin or second or double or "2nd") adj (heat\$1 sink or (heat adj sink)) ) with ( (US-PGPUB; USPAT	2/15/05
9	S1 and (((twin or second or double or "2nd") adj (heat\$1 sink or (heat adj sink)) ) with ( (US-PGPUB; USPAT	2/15/05
1	S1 and (((twin or second or double or "2nd") adj (heat\$1 sink or (heat adj sink)) ) with ( (US-PGPUB; USPAT	2/15/05
12	("5397917"   "5583378"   "5724230"   "5726493"   "5796038"   "5854511"   "5866943"   US-PGPUB; USPAT; USOCR	2/15/05
1	20050001311 US-PGPUB; USPAT	2/15/05
0	S94 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
27	S94 and ( (cte or warp or mismatch or mismatched or mismatching or stress or warp in US-PGPUB; USPAT	2/16/05
4	S91 and ( (heat\$1 sink or (heat adj sink)) with ((front or top) adj surface) ) US-PGPUB; USPAT	2/16/05
16	S85 not S72 US-PGPUB; USPAT	2/16/05
1	S81 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
4	S75 and ( (heat\$1 sink or (heat adj sink)) with (cte or coefficient) ) US-PGPUB; USPAT	2/16/05
14	S74 not S71 US-PGPUB; USPAT	2/16/05
8	S74 and ( (heat\$1 sink or (heat adj sink)) with (cte or coefficient) ) US-PGPUB; USPAT	2/16/05
9	S73 and S89 US-PGPUB; USPAT	2/16/05
26	S73 and S84 US-PGPUB; USPAT	2/16/05
32	S73 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
13	S71 not S69 US-PGPUB; USPAT	2/16/05
19	S70 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
6	S68 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
0	S63 and cte EPO; JPO; DERWENT	2/16/05
0	S63 and ( (heat\$1 sink or (heat adj sink)) with (cte or coefficient) ) EPO; JPO; DERWENT	2/16/05
0	S63 and ( (heat\$1 sink or (heat adj sink)) same (cte or coefficient) ) EPO; JPO; DERWENT	2/16/05
0	S60 and ( cte ) US-PGPUB; USPAT	2/16/05
3	S60 and ( (heat\$1 sink or (heat adj sink)) with (cte or coefficient) ) EPO; JPO; DERWENT	2/16/05
0	S60 and ( (heat\$1 sink or (heat adj sink)) with (cte or coefficient) ) US-PGPUB; USPAT	2/16/05
5	S58 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
3	S55 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
28	S54 and (stiff or stiffener or stiffening or stiffened) US-PGPUB; USPAT	2/16/05
19	S54 and ( (twin or second or double or "2nd" or two) adj (heat\$1 sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
4	S52 and (stiff or stiffener or stiffening or stiffened) US-PGPUB; USPAT	2/16/05

2	S46 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
13	S44 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
4	S41 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
1	S41 and ( (heat\$1sink or (heat adj sink)) with (cte or coefficient) with ("same" near (ca	US-PGPUB; USPAT	2/16/05
4	S41 and ( (heat\$1sink or (heat adj sink)) with (cte or coefficient) )	US-PGPUB; USPAT	2/16/05
3	S38 not S37	US-PGPUB; USPAT	2/16/05
8	S36 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
7	S32 and (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
18	S31 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
4	S29 and (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
22	S27 not S21	US-PGPUB; USPAT	2/16/05
22	S26 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
3	S22 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
21	S20 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
5	S18 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
2	S124 not S122	US-PGPUB; USPAT	2/16/05
14	S121 not (S119 or S115)	US-PGPUB; USPAT	2/16/05
7	S12 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
6	S119 and ("257"/\$3.cor.) or ("438"/\$3.cor.) or ("361"/\$3.cor.)	US-PGPUB; USPAT	2/16/05
20	S118 not S115	US-PGPUB; USPAT	2/16/05
38	S117 and ( (other or additional or another or twin or second or double or "2nd" or two)	US-PGPUB; USPAT	2/16/05
7	S11 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
1	S105 and ( (twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink	US-PGPUB; USPAT	2/16/05
1	S105 and ( (another or additional) adj (heat\$1sink or (heat adj sink)) )	US-PGPUB; USPAT	2/16/05
21	S104 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
19	S101 not S86	US-PGPUB; USPAT	2/16/05
26	S100 not S97	US-PGPUB; USPAT	2/16/05
19	cte and ( (twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
26	6069023 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/16/05
1	5708567.pn.	US-PGPUB; USPAT	2/16/05
2	4878106 and ( (twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj	US-PGPUB; USPAT	2/16/05

17	(US-20040217472-\$ or US-20040217485-\$ or US-20040238944-\$ or US-2005000131	US-PGPUB; USPAT	2/16/05
0	(stiff or stiffener or stiffening or stiffened) and S122	US-PGPUB; USPAT	2/16/05
5	(stiff or stiffener or stiffening or stiffened) and S110	US-PGPUB; USPAT	2/16/05
0	(stiff or stiffener or stiffening or stiffened) and S108	US-PGPUB; USPAT	2/16/05
12	(advanced and semiconductor and engineering) as. and (heat\$1sink or (heat adj sink); US-PGPUB; USPAT	2/16/05	
33	((("257"/\$3.cor.) or ("438"/\$3.cor.) or ("361"/\$3.cor.)) and ( (other or additional or another; US-PGPUB; USPAT	2/16/05	
5	(( (other or additional or another or twin or second or double or "2nd" or two) adj (heat; US-PGPUB; USPAT	2/16/05	
7	("5397746"   "5489801"   "5811317"   "6015722"   "6313521"   "6323547"   "6465827"); US-PGPUB; USPAT; USOCR 2/16/05		
12	("5157480"   "5345106"   "5757080"   "5793108"   "5869883"   "5929513"   "6002181"   US-PGPUB; USPAT; USOCR 2/16/05		
6	("4383270"   "5491362"   "5888884"   "6163458"   "6288900"   "6294831").PN. US-PGPUB; USPAT; USOCR 2/16/05		
22	(( (heat\$1sink or (heat adj sink) with (identical or close) with (cte or coefficient) with (c; US-PGPUB; USPAT	2/16/05	
4	(( (heat\$1sink or (heat adj sink) with (cte or coefficient) with ("same" near2 (carrier or s; US-PGPUB; USPAT	2/16/05	
1	(( (heat\$1sink or (heat adj sink) with (cte or coefficient) with ("same" near (carrier or s; US-PGPUB; USPAT	2/16/05	
11	(( (heat\$1sink or (heat adj sink) with ("same" near2 (cte or coefficient) with (carrier or s; US-PGPUB; USPAT	2/16/05	
8	(( (heat\$1sink or (heat adj sink) with ("same" near (cte or coefficient) with (carrier or s; US-PGPUB; USPAT	2/16/05	
21	(( (heat\$1sink or (heat adj sink) with ("same" adj (material or metal or coefficient) with US-PGPUB; USPAT	2/16/05	
3	(( (heat\$1sink or (heat adj sink) with ("same" adj (material or metal or coefficient) with US-PGPUB; USPAT	2/16/05	
0	(( (heat\$1sink or (heat adj sink) with ("same" adj (cte) with substrate) US-PGPUB; USPAT	2/16/05	
0	(( (heat\$1sink or (heat adj sink) with ("same" adj (cte) with carrier) US-PGPUB; USPAT	2/16/05	
13	(( ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) ) with (c; US-PGPUB; USPAT	2/16/05	
1	(( ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) ) with (" US-PGPUB; USPAT	2/16/05	
5	(( ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) ) with (" US-PGPUB; USPAT	2/16/05	
0	(( (front\$1side or (front adj side) or top) adj (heat\$1sink or (heat adj sink)) ) with (cte or US-PGPUB; USPAT	2/16/05	
2	(( ((back\$1side or (back adj side) or bottom) adj (heat\$1sink or (heat adj sink)) ) with (c; US-PGPUB; USPAT	2/16/05	
21	6265771 US-PGPUB; USPAT	2/16/05	
21	6265771 US-PGPUB; USPAT	2/16/05	
18	5811317 US-PGPUB; USPAT	2/16/05	
23	S161 not S160 US-PGPUB; USPAT	2/18/05	
10	S158 not S141 US-PGPUB; USPAT	2/18/05	
10	S157 not S147 US-PGPUB; USPAT	2/18/05	
10	S151 not S152 US-PGPUB; USPAT	2/18/05	

22	S150 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	2/18/05
12	S150 and ( (heat\$1sink or (heat adj sink)) with (carrier or board or pcb))	US-PGPUB; USPAT	2/18/05
32	S146 not S141	US-PGPUB; USPAT	2/18/05
7	S143 and (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/18/05
18	S140 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/18/05
2	S138 and (257/706,707.ccls.)	US-PGPUB; USPAT	2/18/05
38	S129 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/18/05
12	S102 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/18/05
32	(361/704.ccls.) and (@ad<"20040703" or @rlad<"20040703") and ( (heat\$1sink or (he	US-PGPUB; USPAT	2/18/05
9	(361/704.ccls.) and (@ad<"20040703" or @rlad<"20040703") and ( (heat\$1sink or (he	US-PGPUB; USPAT	2/18/05
6	("5212402"   "5450283"   "5663593"   "5731631"   "5849608"   "5969947").PN.	US-PGPUB; USOCR	2/18/05
8	("4918571"   "5311060"   "5430611"   "5473510"   "5528462"   "5838064"   "6078506"	US-PGPUB; USOCR	2/18/05
2	6285553	US-PGPUB; USPAT	2/18/05
36	5926371	US-PGPUB; USPAT	2/18/05
45	S192 not S190	US-PGPUB; USPAT	2/19/05
18	S190 not S188	US-PGPUB; USPAT	2/19/05
13	S188 not S183	US-PGPUB; USPAT	2/19/05
37	S178 not S177	US-PGPUB; USPAT	2/19/05
22	S174 not S173	US-PGPUB; USPAT	2/19/05
22	S174 not S172	US-PGPUB; USPAT	2/19/05
22	S174 not S171	US-PGPUB; USPAT	2/19/05
8	S172 not S171	US-PGPUB; USPAT	2/19/05
13	S169 not S166	US-PGPUB; USPAT	2/19/05
36	S165 and ( (other or additional or another or twin or second or double or "2nd" or two)	US-PGPUB; USPAT	2/19/05
17	S165 and ( (other or additional or another or twin or second or double or "2nd" or two)	USPAT	2/19/05
27	S163 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/19/05
22	S149 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/19/05
19	S114 and ( (other or additional or another or twin or second or double or "2nd" or two)	US-PGPUB; USPAT	2/19/05
6	59065458 "59219942"	JPO; DERWENT	2/19/05
1	5285352.PN.	USPAT; USOCR	2/19/05
1	5065281.PN.	USPAT; USOCR	2/19/05

29	(US-20020079592-\$ or US-20020185718-\$ or US-20040217472-\$ or US-2004021748; US-PGPUB; USPAT	2/19/05
5	(heat\$1sink or (heat adj sink) and "5293301" and (@ad<"20040703" or @riad<"2004; US-PGPUB; USPAT	2/19/05
7	(heat\$1sink or (heat adj sink) and "5065281" and (@ad<"20040703" or @riad<"2004; US-PGPUB; USPAT	2/19/05
3	("6297549" "5410449" "5720342" ),pn. US-PGPUB; USPAT	2/19/05
10	("6118177" "4561011" "6178093" "5586006" "6281573" "5883425" "6396136" "636252; US-PGPUB; USPAT	2/19/05
1	("6057598"),PN. US-PGPUB; USPAT	2/19/05
4	("5866943"),PN. or ("5886406" "5990552" "5786630"),PN. US-PGPUB; USPAT	2/19/05
11	("5817530" "5776512" "6080264" "5886412" "6051886" "6737750" "6005778" "679804; US-PGPUB; USPAT	2/19/05
3	(heat\$1spreader or (heat adj (sink or spreader) or heat\$1sink) and S199 US-PGPUB; USPAT	2/19/05
8	(heat\$1spreader or (heat adj (sink or spreader) or heat\$1sink) and S196 US-PGPUB; USPAT	2/19/05
1	(heat\$1spreader or (heat adj (sink or spreader) or heat\$1sink) and S180 US-PGPUB; USPAT	2/19/05
26	( (heat\$1spreader or (heat adj spreader) with ((center or middle) near2 (carrier or pcb or substr; US-PGPUB; USPAT	2/19/05
12	( (heat\$1sink or (heat adj sink) with plate with (bottom)) and (@ad<"20040703" or @r US-PGPUB; USPAT	2/19/05
14	( (heat\$1sink or (heat adj sink) with plate with (act or acting ) ) and (@ad<"20040703" US-PGPUB; USPAT	2/19/05
15	( (heat\$1sink or (heat adj sink) with double) and (@ad<"20040703" or @riad<"20040; US-PGPUB; USPAT	2/19/05
22	( (heat\$1sink or (heat adj sink) with (bottom near substrate) and (@ad<"20040703" o US-PGPUB; USPAT	2/19/05
29	( (heat\$1sink or (heat adj sink) with ((center or middle) near2 (carrier or pcb or substr; US-PGPUB; USPAT	2/19/05
16	( (heat\$1sink or (heat adj sink) with ((center or middle) near substrate) and (@ad<"2; US-PGPUB; USPAT	2/19/05
3	( (heat\$1sink or (heat adj sink) with ( bottom) with top with "both" and (@ad<"200407; US-PGPUB; USPAT	2/19/05
3	( (heat\$1sink or (heat adj sink) ) and S181 US-PGPUB; USPAT	2/19/05
4	S253 not (S245 or S240 or S236 or S233 or S229 or S227 or S220) US-PGPUB; USPAT	2/28/05
36	S250 not (S245 or S240 or S236 or S233 or S229 or S227 or S220) US-PGPUB; USPAT	2/28/05
13	S245 not (S240 or S236 or S233 or S229 or S227 or S220) US-PGPUB; USPAT	2/28/05
3	S243 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
35	S243 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
17	S243 and (@ad<"20040703" or @riad<"20040703") and (( bga or (ball\$1grid) or (ball; US-PGPUB; USPAT	2/28/05
41	S240 not (S236 or S233 or S229 or S227 or S220) US-PGPUB; USPAT	2/28/05
41	S239 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
11	S236 not (S233 or S229 or S227 or S220) US-PGPUB; USPAT	2/28/05
36	S235 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
19	S233 not (S229 or S227 or S220) US-PGPUB; USPAT	2/28/05

25	S232 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
6	S230 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
14	S229 not (S227 or S220)	US-PGPUB; USPAT
0	S227 not S220	US-PGPUB; USPAT
14	S226 not S218	US-PGPUB; USPAT
15	S225 not S223	US-PGPUB; USPAT
23	S224 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
38	S222 not S220	US-PGPUB; USPAT
15	S219 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
2	S214 not S213	US-PGPUB; USPAT
29	S207 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
4	S201 and (@ad<"20040703" or @riad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
1	6413353.pn.	US-PGPUB; USPAT
20	5991156 "5693572"	US-PGPUB; USPAT
15	(heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) a US-PGPUB; USPAT	2/28/05
4	("6011304 "5909056-"6407334 "6528879").PN.	US-PGPUB; USPAT
12	"5285352" "5430331" "5442234" "5528458" "5541450" "5583377" "5583378"   US-PGPUB; USPAT; USOCR	2/28/05
9	(heat\$1spreader or (heat adj (sink or spreader)) or heat\$1sink) and "5410449"	US-PGPUB; USPAT
34	((heat\$1spreader or (heat adj (sink or spreader)) or heat\$1sink) with (support or pcb o US-PGPUB; USPAT	2/28/05
2	((heat\$1spreader or (heat adj (sink or spreader)) or heat\$1sink) with (support or pcb o US-PGPUB; USPAT	2/28/05
2	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	2/28/05
5	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	2/28/05
11	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	2/28/05
7	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	2/28/05
43	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	2/28/05
14	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	2/28/05
6	S6 and (stiff or stiffener or stiffening or stiffened)	US-PGPUB; USPAT
1	S259 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
9	5841194 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
43	(US-20020079592-\$ or US-20020185718-\$ or US-20030122242-\$ or US-2003014650; US-PGPUB; USPAT	3/4/05
9	("5291062" "5473510" "5619399" "5703753" "5841194" "5920120" "6208515"  US-PGPUB; USPAT; USOCR	3/4/05

2	S294 and ((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or 1 US-PGPUB; USPAT	3/5/05
20	S293 not S289	US-PGPUB; USPAT
24	S292 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT
24	S291 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
4	S288 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
3	S285 not S284	US-PGPUB; USPAT
3	S280 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
11	S277 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT
6	S273 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT
13	S267 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT
18	S265 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT
18	S263 not S264	US-PGPUB; USPAT
16	S255 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
19	S252 and (@ad<"20040703" or @rlad<"20040703") and ((bga or (ball\$1grid) or (ball : US-PGPUB; USPAT	3/5/05
2	6490161 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
9	6219243 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT
1	5903052.PN.	USPAT; USOCR
28	(S297 or S298) and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT
8	(heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) a US-PGPUB; USPAT	3/5/05
6	("6724080" "6285553" "6056015" "5966290" "5909056" "5811317").pn. and (stiff or stif US-PGPUB; USPAT	3/5/05
24	("6724080" "6285553" "6056015" "5966290" "5909056" "5811317") and (stiff or stiffen US-PGPUB; USPAT	3/5/05
1	("6490161".pn.) and active	US-PGPUB; USPAT
22	("6427071" "5895967" "5907189" "6614660" "5650662" "5977633" "6528869" "200400" US-PGPUB; USPAT	3/5/05
4	("5903052" "6117797" "6545351" "20020109226").did.	US-PGPUB; USPAT
9	("5291062"   "5473510"   "5619399"   "5703753"   "5841194"   "5920120"   "6208515"   US-PGPUB; USPAT; USOCR	3/5/05
8	("5155661"   "5367193"   "5621615"   "5625227"   "5734555"   "5751063"   "5960535"   US-PGPUB; USPAT; USOCR	3/5/05
43	("4611238" "5065281" "5173766" "5208504" "5216278" "5285352" "5294826" "536658" US-PGPUB; USPAT	3/5/05
11	("4561006"   "4667220"   "4812949"   "4888247"   "4890152"   "5027191"   "5144412"   US-PGPUB; USPAT; USOCR	3/5/05
11	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	3/5/05
6	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	3/5/05
6	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT	3/5/05

3 ( (heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT 3/5/05  
1 ( (heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT 3/5/05  
0 ( (heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT 3/5/05  
13 ( (heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) US-PGPUB; USPAT 3/5/05  
39 5744863 US-PGPUB; USPAT 3/5/05  
9 ((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) \ US-PGPUB; USPAT 3/6/05  
17 S325 and (@ad<"20040703" or @riad<"20040703") US-PGPUB; USPAT 3/16/05  
24 S311 and (coefficient or cte) US-PGPUB; USPAT 3/16/05  
9 S311 and ((coefficient or cte) with ("same" or equal or match or matching or matched) US-PGPUB; USPAT 3/16/05  
0 20020171144 and ((coefficient or cte) with (substrate)) US-PGPUB; USPAT 3/16/05  
1 20020171144 and ((coefficient or cte) ) US-PGPUB; USPAT 3/16/05  
45 (US-20020079592-\$ or US-20020171144-\$ or US-20020185718-\$ or US-2003003526:US-PGPUB; USPAT 3/16/05  
1 ((coefficient or cte) with (bga or ball\$1grid or c4) with (mismatch or mismatching or mi US-PGPUB; USPAT 3/16/05  
20 ((coefficient or cte) with (bga or ball\$1grid or c4) with (copper or cu) ) US-PGPUB; USPAT 3/16/05  
24 ((coefficient or cte) with (bga or ball\$1grid or c4) with (copper or cu or al or aluminum) US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near5 (r US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near3 (r US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near2 (r US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near (he US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with (bga or ball\$1grid or c4) with ("same" or equal or match or ma US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with ((bga or ball\$1grid or c4) near5 (bottom or back\$1side) ) with US-PGPUB; USPAT 3/16/05  
1 ((coefficient or cte) with ((bga or ball\$1grid or c4) near (carrier or substrate)) with (hea US-PGPUB; USPAT 3/16/05  
2 ((coefficient or cte) with ((bga or ball\$1grid or c4) near (carrier or substrate)) with (cop US-PGPUB; USPAT 3/16/05  
0 ((coefficient or cte) with ((bga or ball\$1grid or c4) near (bottom or back\$1side) ) with (r US-PGPUB; USPAT 3/16/05  
17 ( ((bga or ball\$1grid or c4) near (bottom or back\$1side) ) with (heat\$1spreader or (hea US-PGPUB; USPAT 3/16/05